

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002544.D
 Acq On : 04 May 2020 16:25
 Operator : SY/MD
 Sample : L2443-04
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

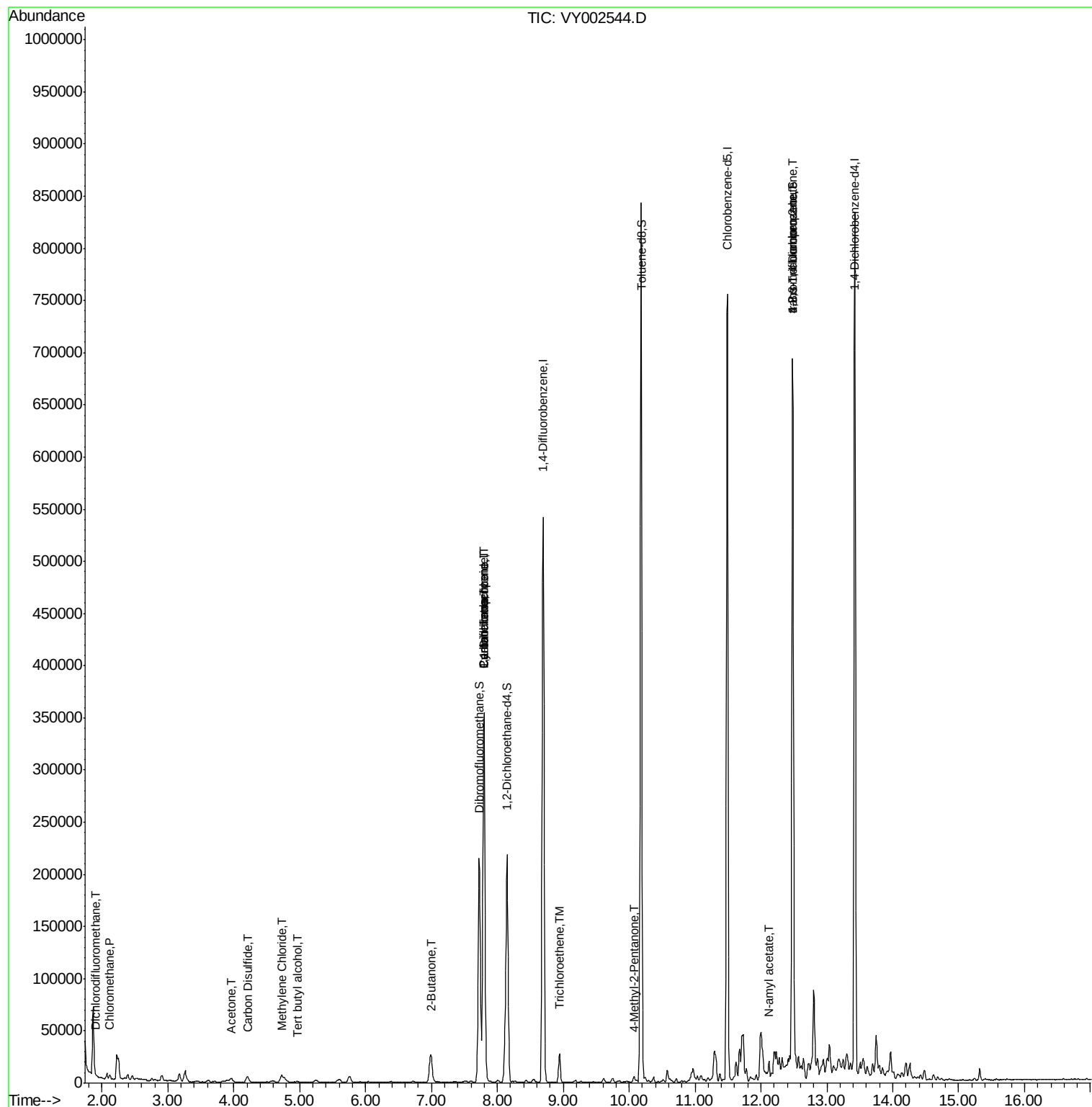
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	298876	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	487270	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	447077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	221466	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	156125	62.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	124.26%	
35) Dibromofluoromethane	7.72	113	151434	54.34	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	108.68%	
50) Toluene-d8	10.18	98	572230	52.58	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.48	95	193270	52.34	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	516	1.986	ug/l	100
3) Chloromethane	2.12	50	3533	1.459	ug/l	98
11) Tert butyl alcohol	4.97	59	601	2.325	ug/l #	85
16) Acetone	3.96	43	6777	13.067	ug/l	100
17) Carbon Disulfide	4.20	76	9080	1.173	ug/l	100
20) Methylene Chloride	4.72	84	4779	1.648	ug/l	93
25) 2-Butanone	7.00	43	3055	3.599	ug/l #	81
31) Cyclohexane	7.79	56	5311	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18409	4.507	ug/l #	50
38) Carbon Tetrachloride	7.80	117	27075	6.071	ug/l #	16
44) Trichloroethene	8.94	130	9830	2.666	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	3447	1.699	ug/l	99
74) N-amyl acetate	12.12	43	3957	1.146	ug/l #	46
76) 1,2,3-Trichloropropane	12.48	75	95312	48.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95312	97.109	ug/l #	15

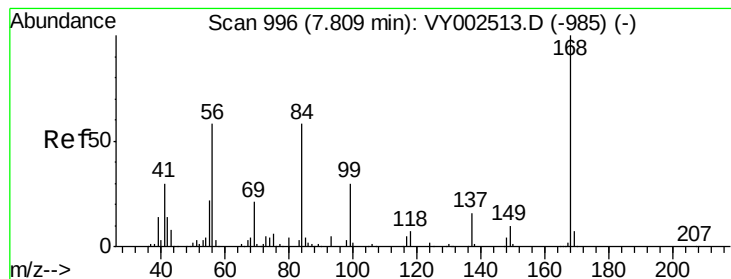
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002544.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_Y

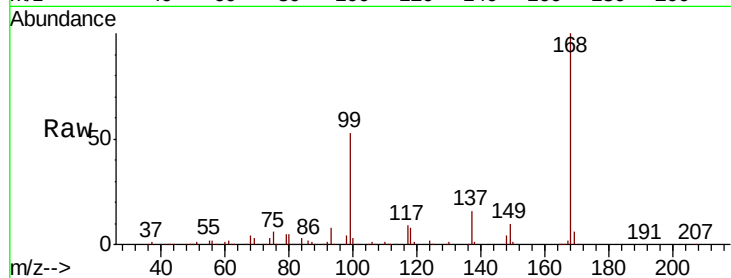
ClientSampleId :

Tot Ion:168 Resp: 298876

Ion Ratio Lower Upper

168 100

99 52.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

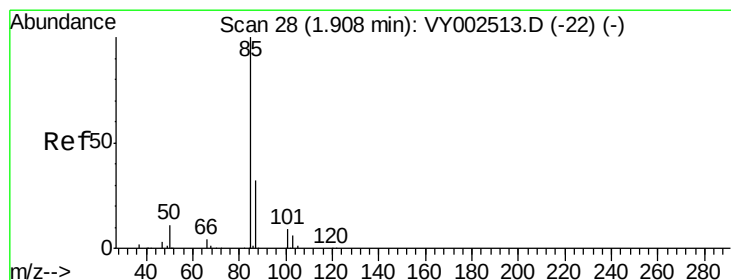
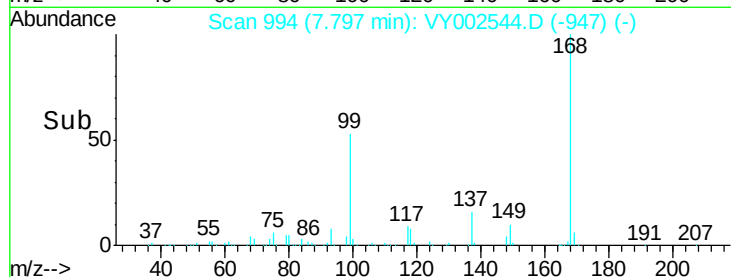
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.986 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002544.D

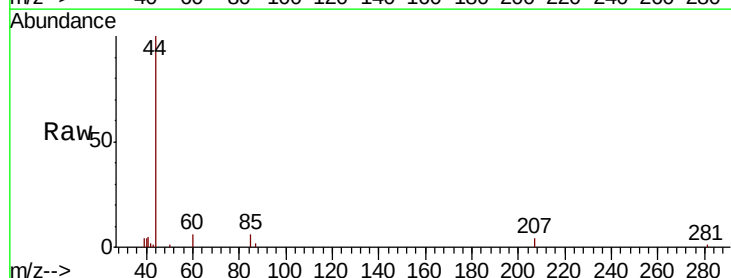
Acq: 04 May 2020 16:25

Tgt Ion: 85 Resp: 516

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

400

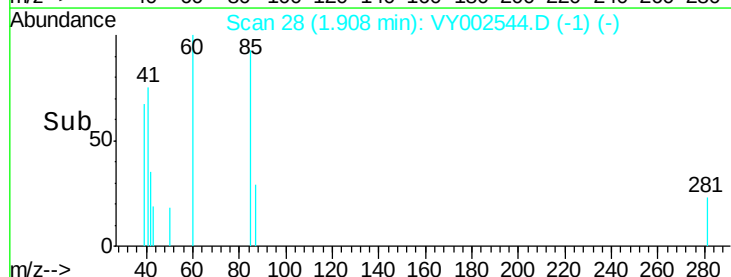
300

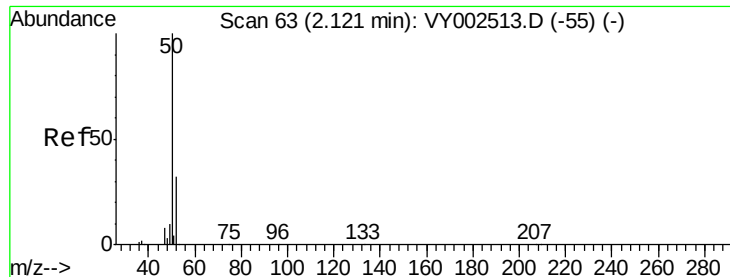
200

100

0

Time-->

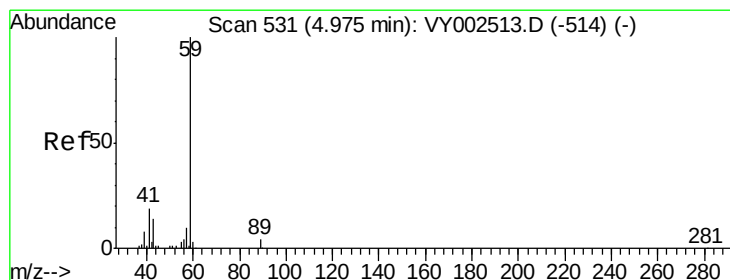
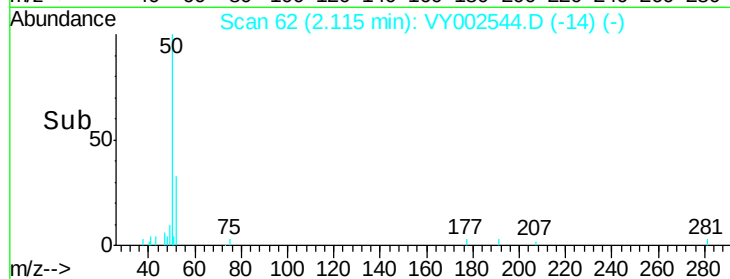
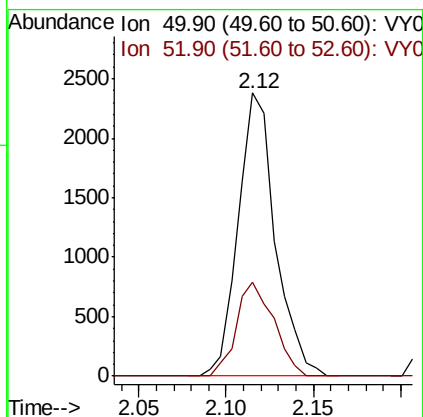
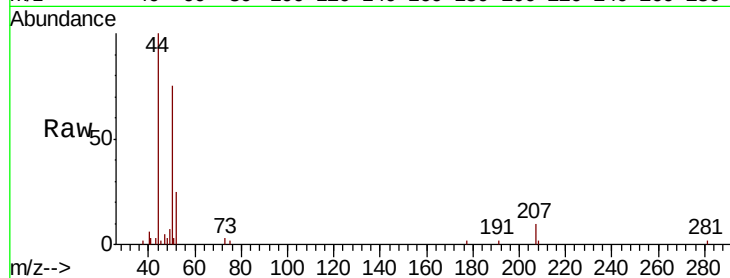




#3
Chloromethane
Concen: 1.459 ug/l
RT: 2.12 min Scan# 62
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

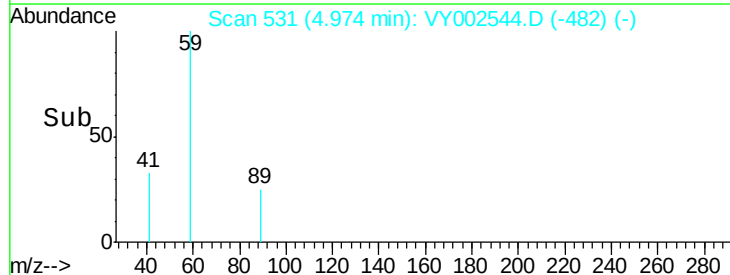
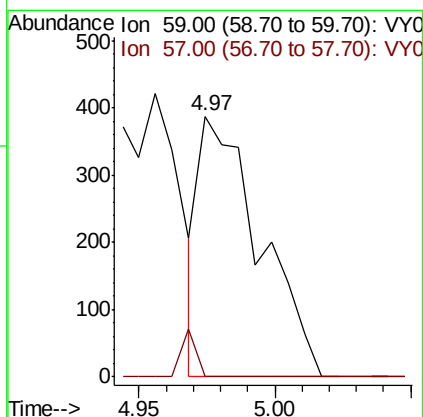
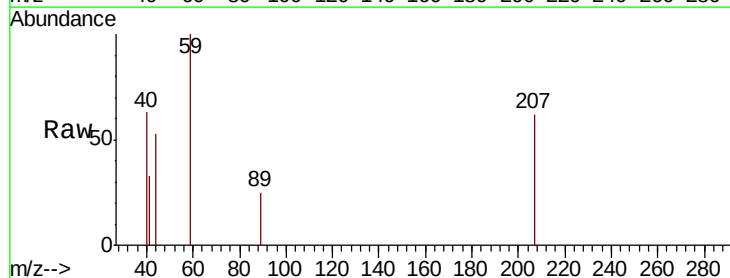
Instrument :
MSVOA_Y
ClientSampled :

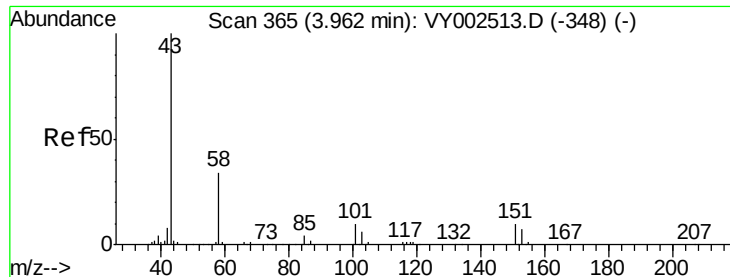
Tot Ion: 50 Resp: 3533
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9



#11
Tert butyl alcohol
Concen: 2.325 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 4.3 7.8 11.6#





#16

Acetone

Concen: 13.067 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002544.D

Acq: 04 May 2020 16:25

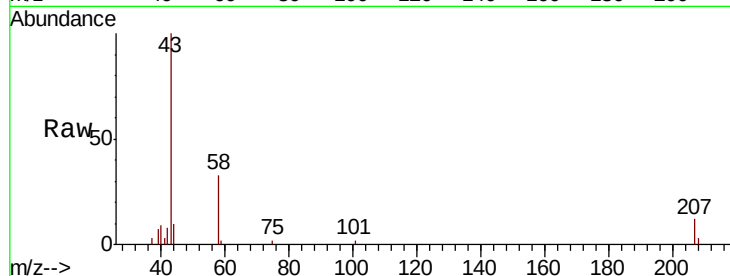
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 6777

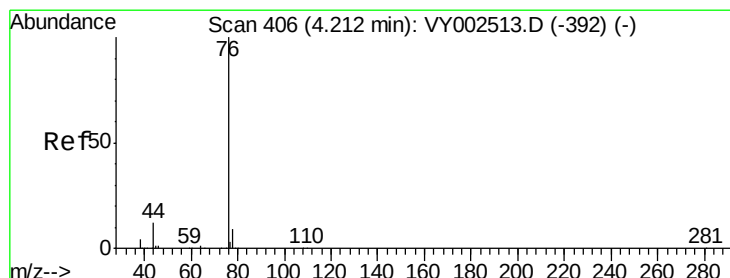
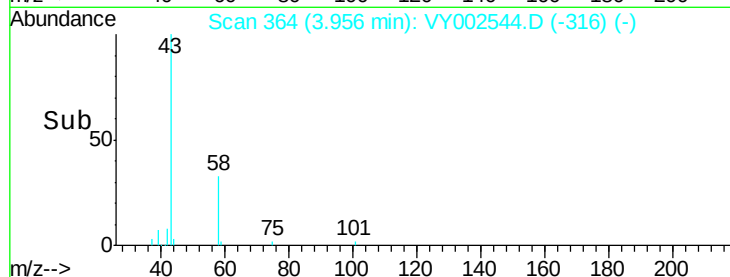
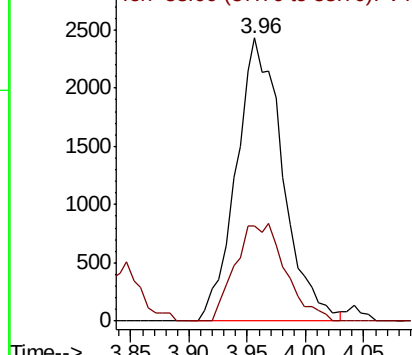
Ion Ratio Lower Upper

43 100

58 33.4 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.173 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.01 min

Lab File: VY002544.D

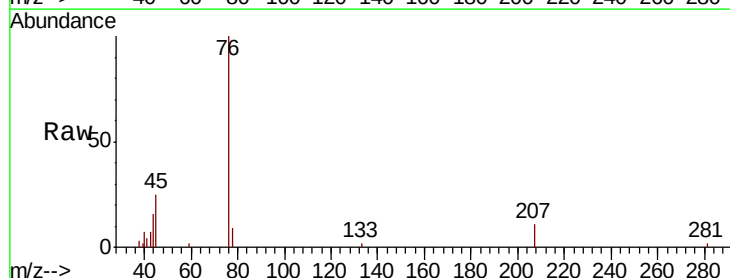
Acq: 04 May 2020 16:25

Tgt Ion: 76 Resp: 9080

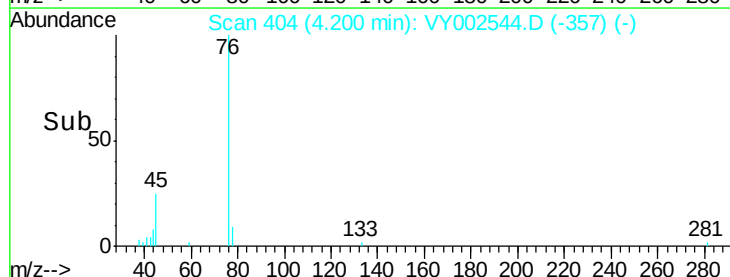
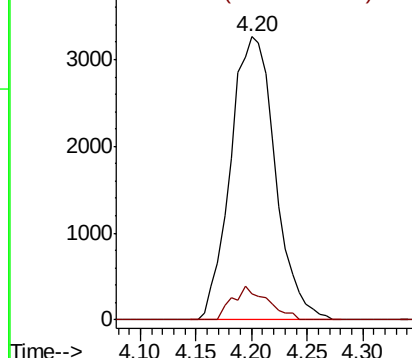
Ion Ratio Lower Upper

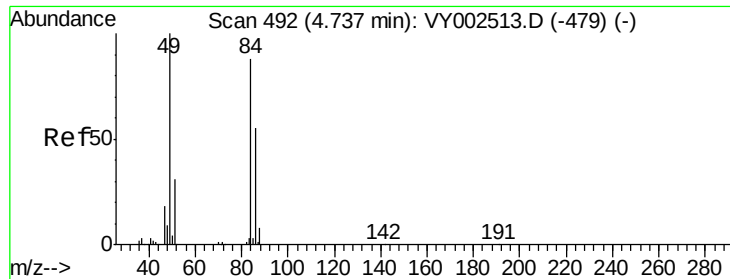
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0

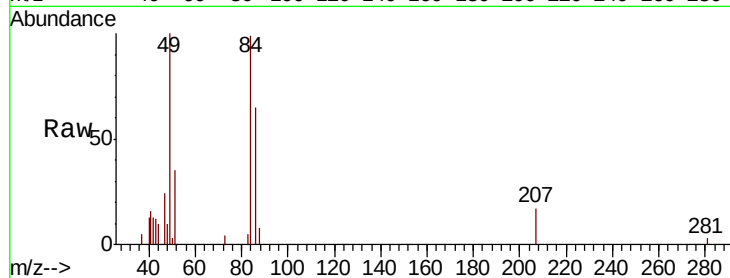




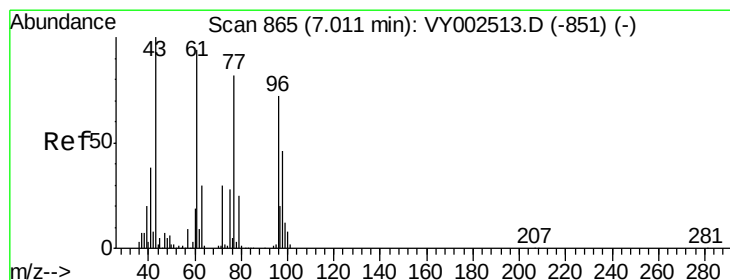
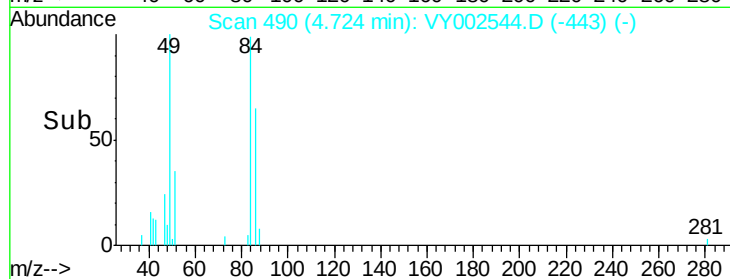
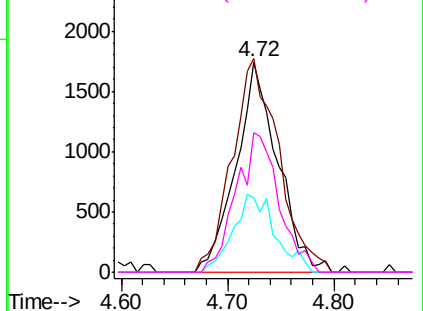
#20
Methylene Chloride
Concen: 1.648 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	4779
Ion	Ratio	Lower	Upper
84	100		
49	101.5	90.5	135.7
51	35.6	28.3	42.5
86	66.1	49.9	74.9

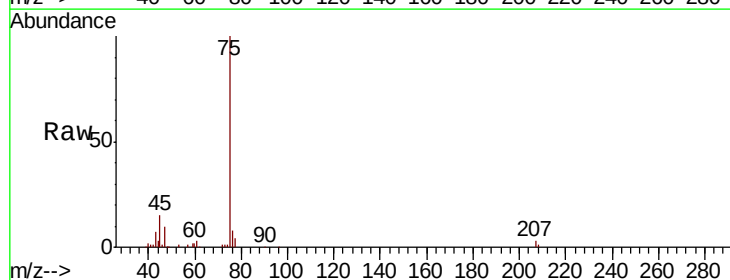


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

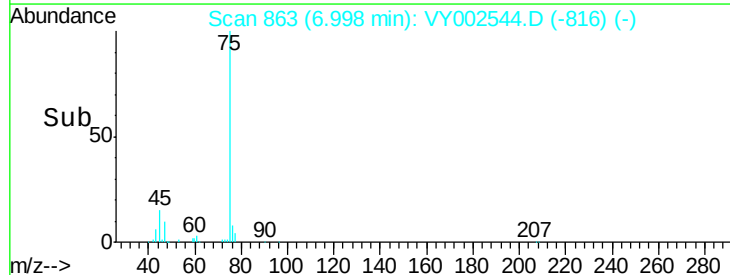
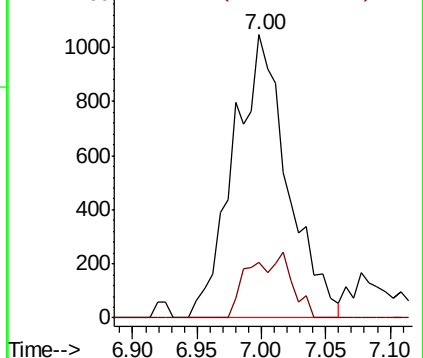


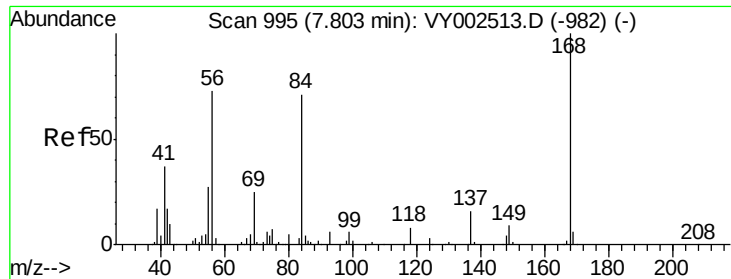
#25
2-Butanone
Concen: 3.599 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Tgt Ion:	43	Resp:	3055
Ion	Ratio	Lower	Upper
43	100		
72	19.8	24.1	36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

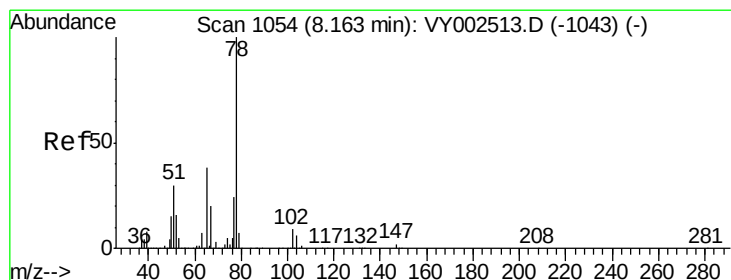
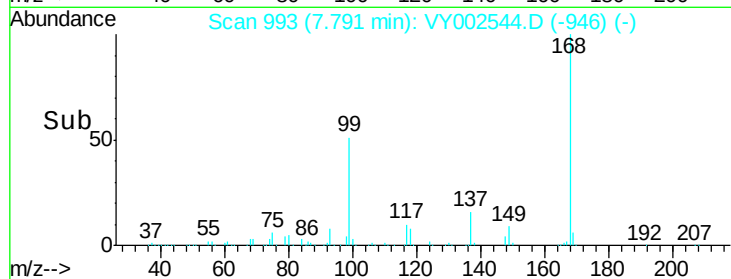
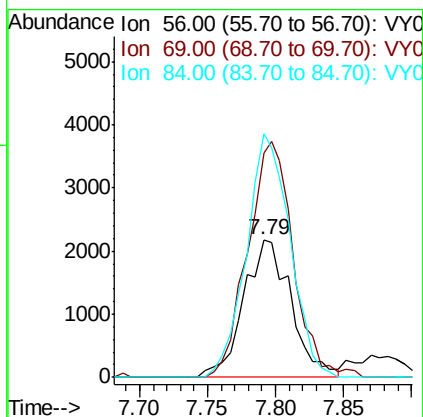
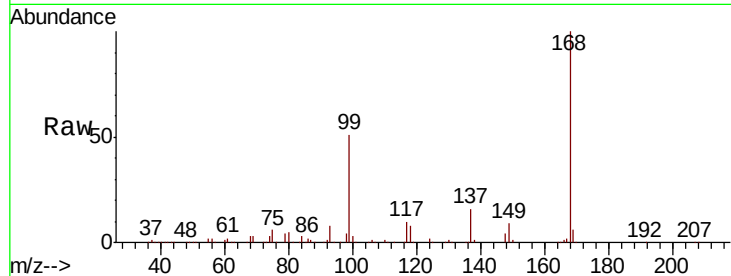




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

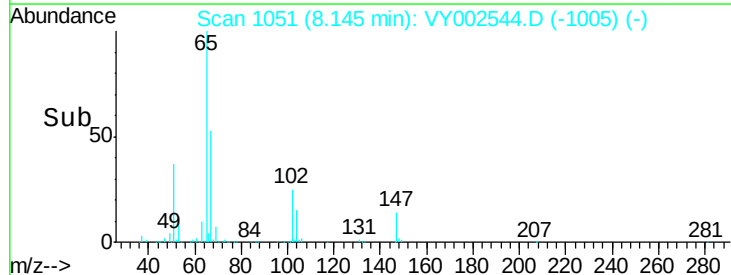
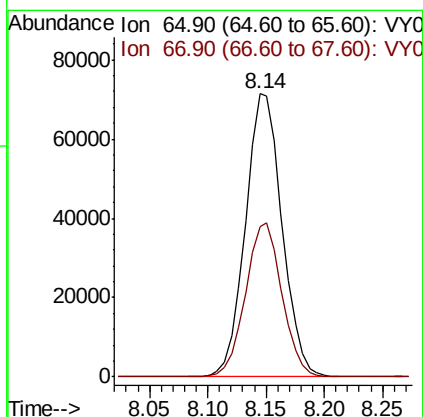
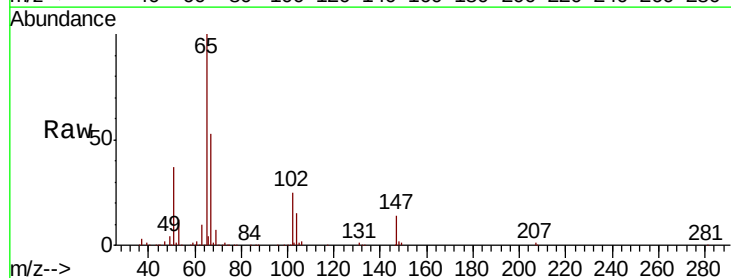
Instrument :
MSVOA_Y
ClientSampled :

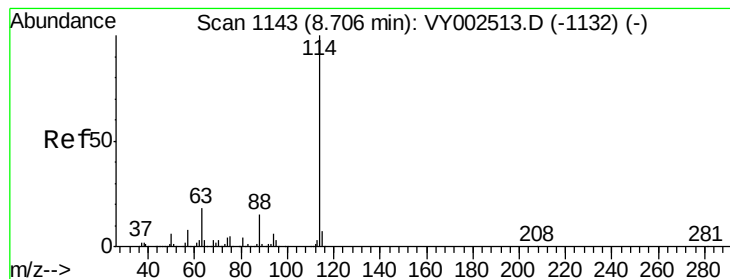
Tot Ion: 56 Resp: 5311
Ion Ratio Lower Upper
56 100
69 163.1 27.6 41.4#
84 177.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 62.127 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Tgt Ion: 65 Resp: 156125
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002544.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_Y

ClientSampleId :

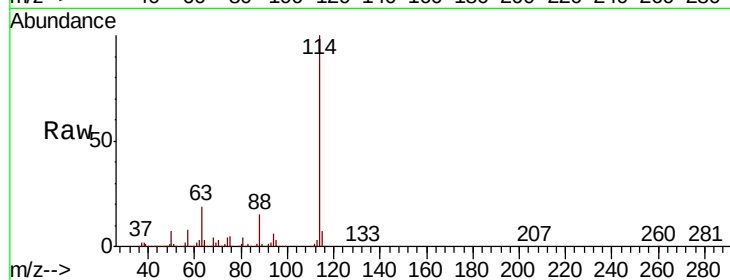
Tot Ion:114 Resp: 487270

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

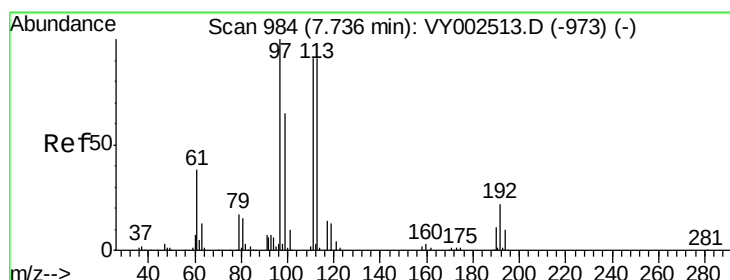
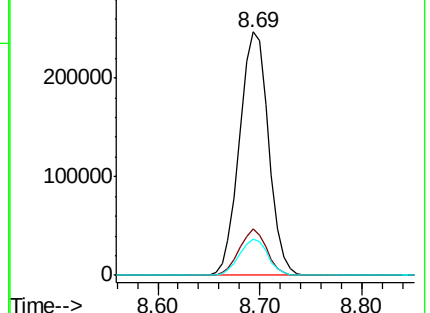
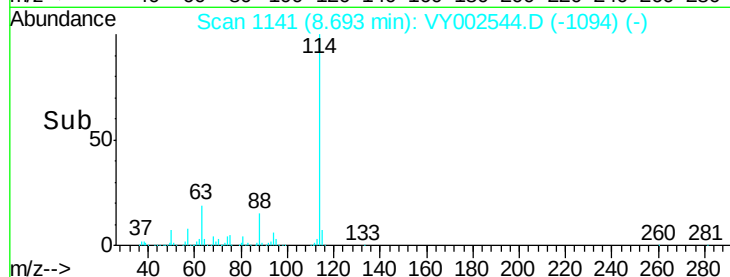
88 14.8 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 54.341 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002544.D

Acq: 04 May 2020 16:25

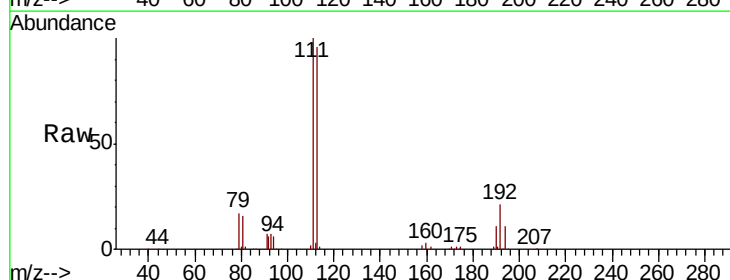
Tgt Ion:113 Resp: 151434

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

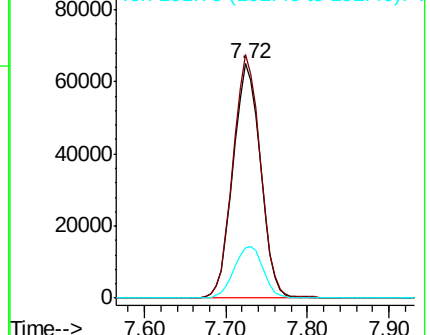
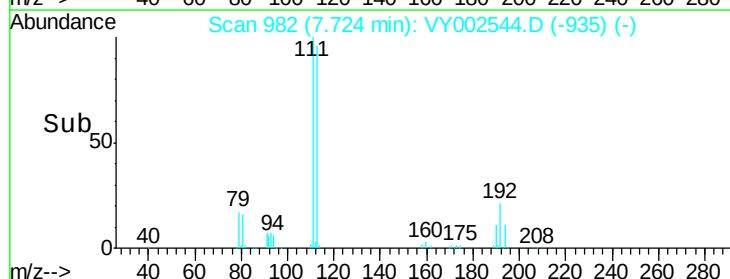
192 23.2 18.2 27.4

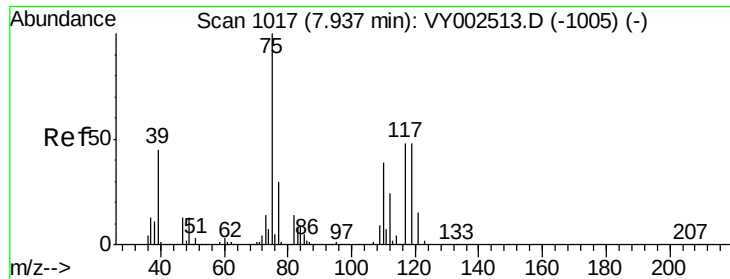


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

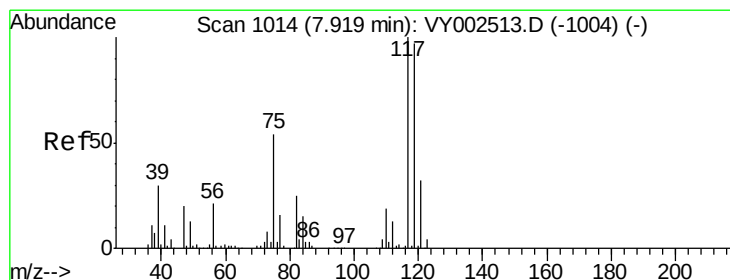
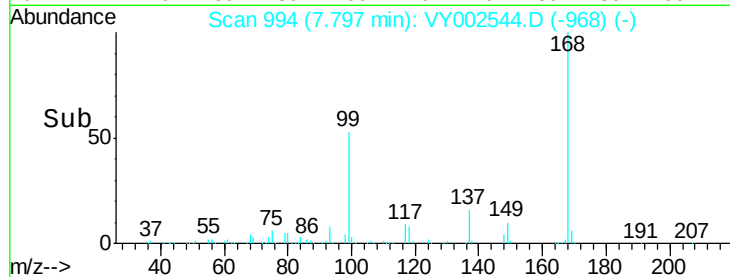
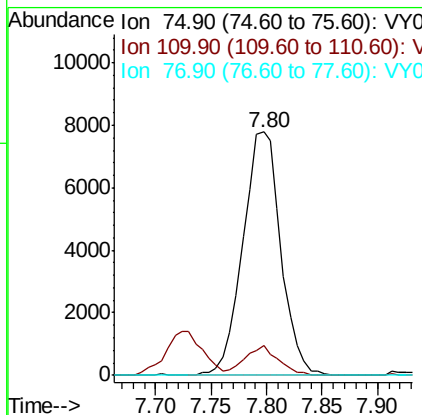
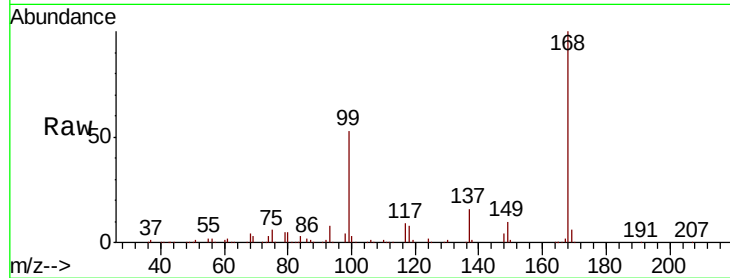




#36
 1,1-Dichloropropene
 Concen: 4.507 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002544.D
 Acq: 04 May 2020 16:25

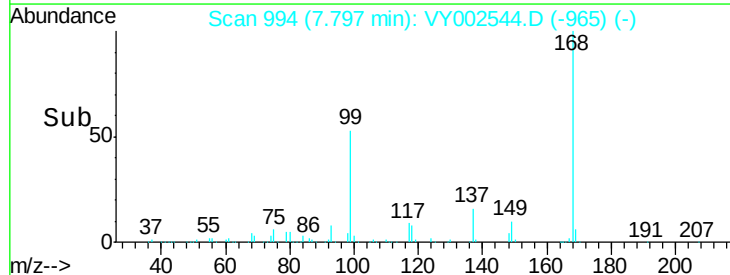
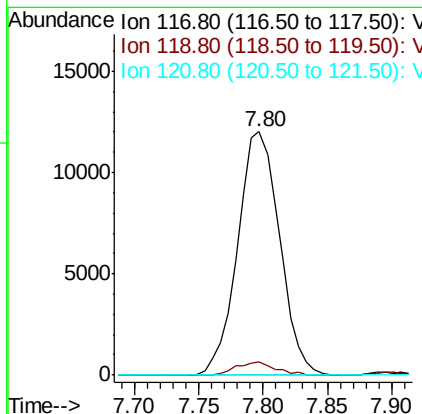
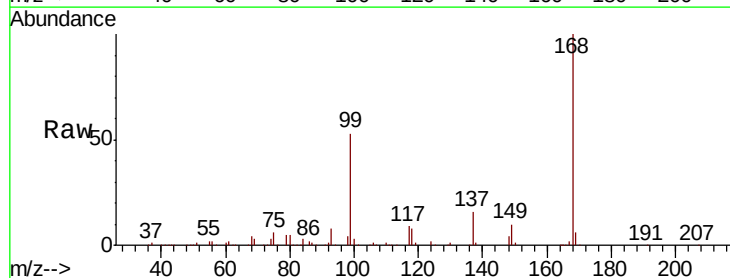
Instrument :
 MSVOA_Y
 ClientSampled :

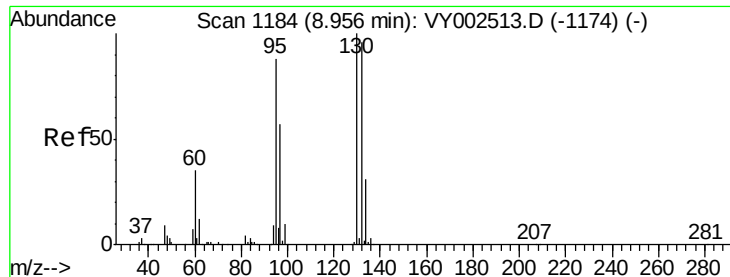
Tot Ion	75	Resp	18409
Ion Ratio	100	Lower	Upper
110	10.6	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.071 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002544.D
 Acq: 04 May 2020 16:25

Tgt Ion	117	Resp	27075
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.5	77.1	115.7#
121	0.0	25.2	37.8#





#44

Trichloroethene

Concen: 2.666 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY002544.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_Y

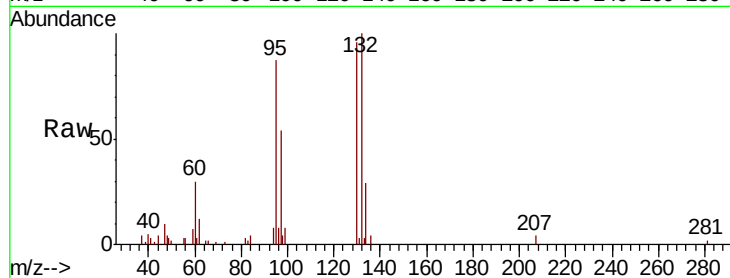
ClientSampleId :

Tot Ion:130 Resp: 9830

Ion Ratio Lower Upper

130 100

95 90.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0

8.94

6000

5000

4000

3000

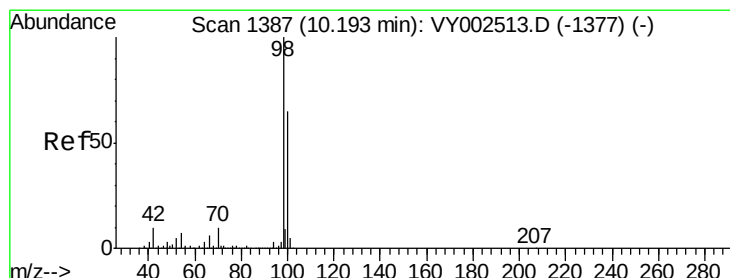
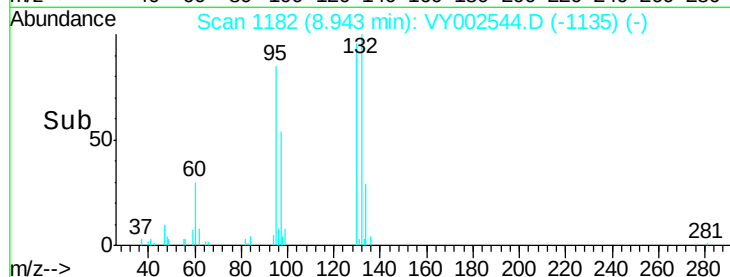
2000

1000

0

8.85 8.90 8.95 9.00

Time-->



#50

Toluene-d8

Concen: 52.583 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002544.D

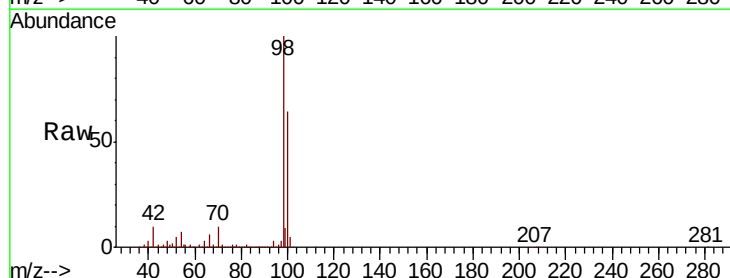
Acq: 04 May 2020 16:25

Tgt Ion: 98 Resp: 572230

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

400000

300000

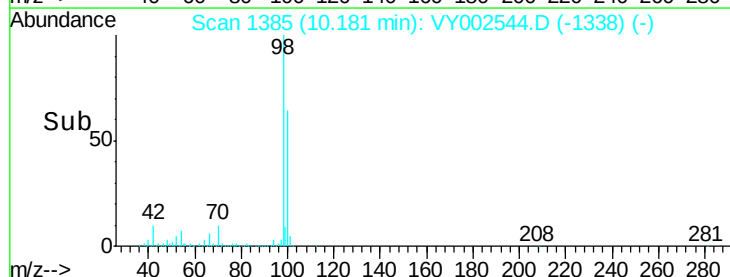
200000

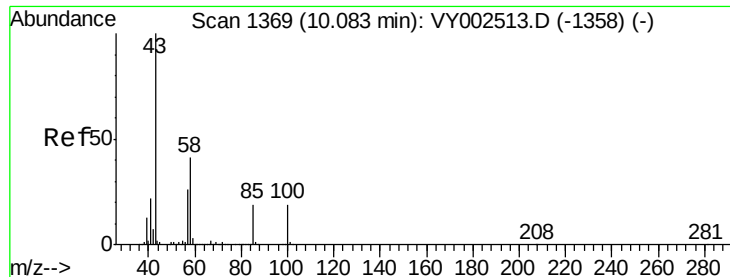
100000

0

10.10 10.20 10.30

Time-->

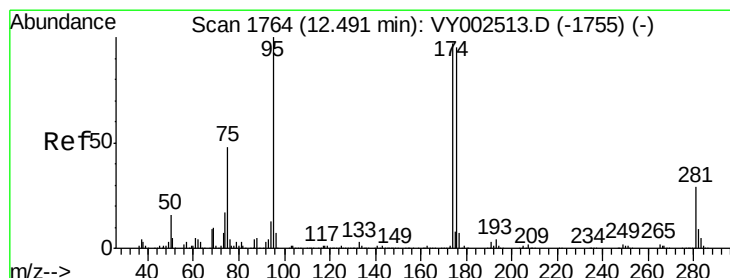
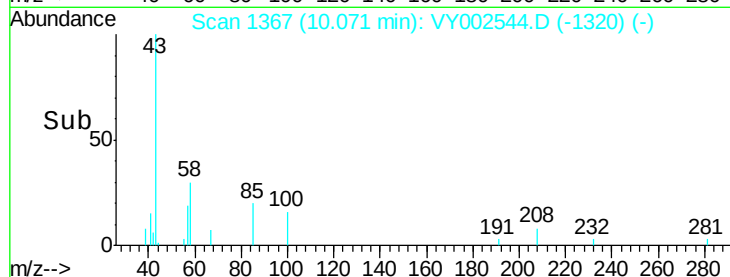
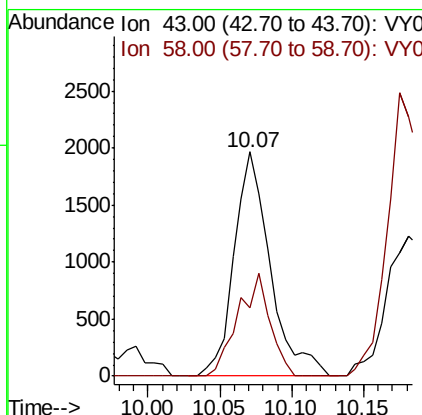
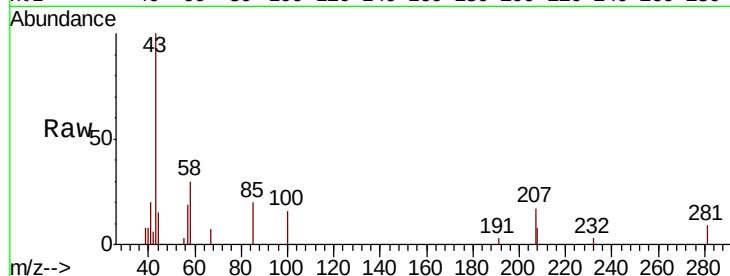




#51
4-Methyl-2-Pentanone
Concen: 1.699 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

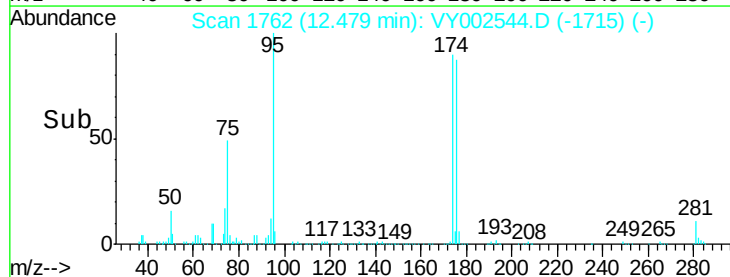
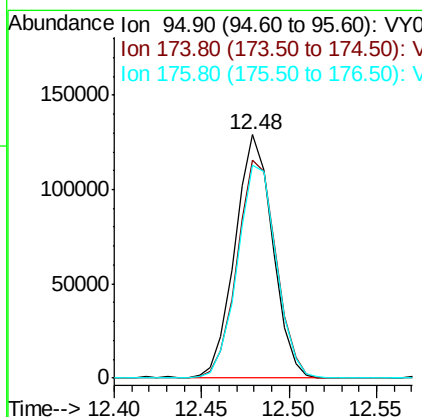
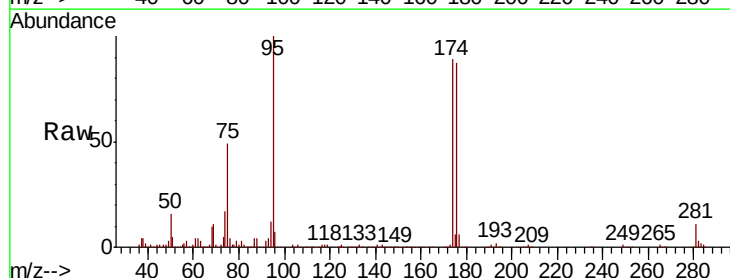
Instrument :
MSVOA_Y
ClientSampled :

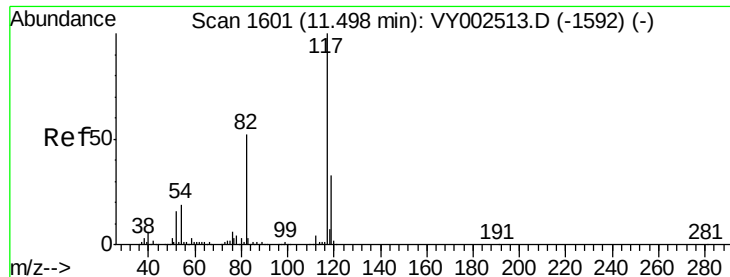
Tot Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
58 40.6 33.2 49.8



#62
4-Bromofluorobenzene
Concen: 52.338 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Tgt Ion: 95 Resp: 193270
Ion Ratio Lower Upper
95 100
174 92.5 0.0 188.8
176 90.2 0.0 183.2

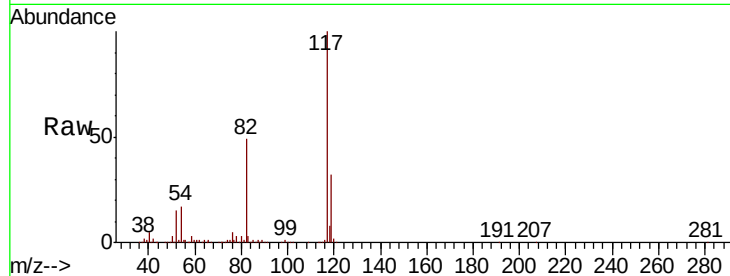




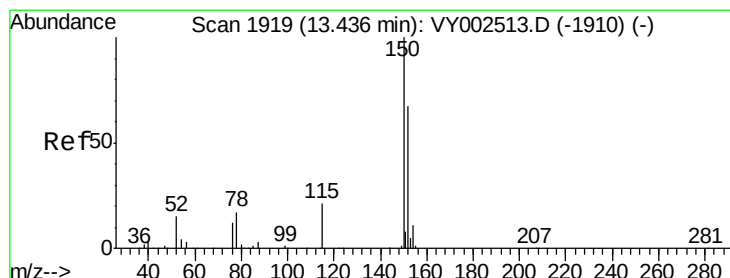
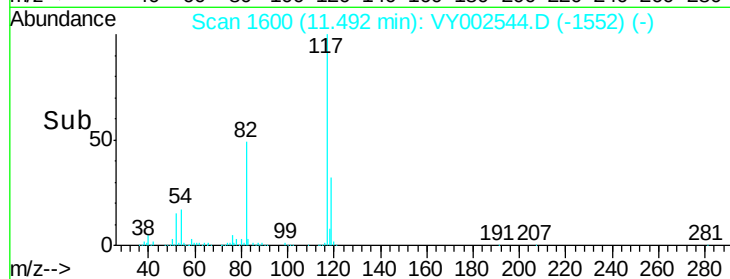
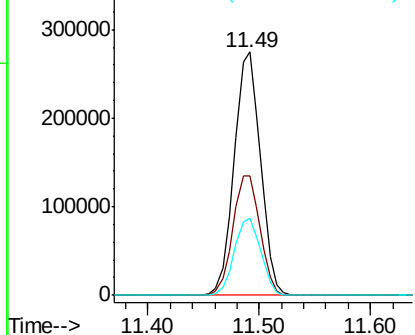
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 447077
Ion Ratio Lower Upper
117 100
82 49.0 41.3 61.9
119 31.7 26.0 39.0

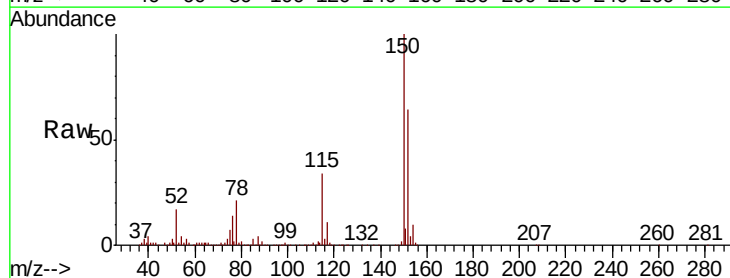


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

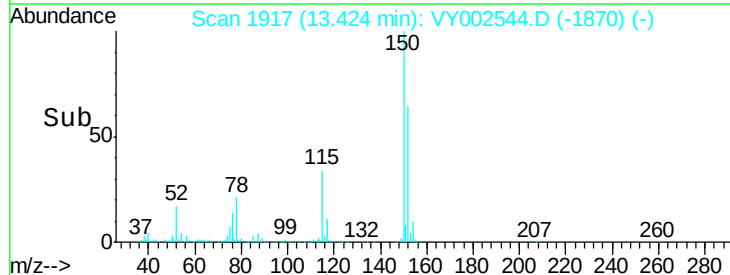
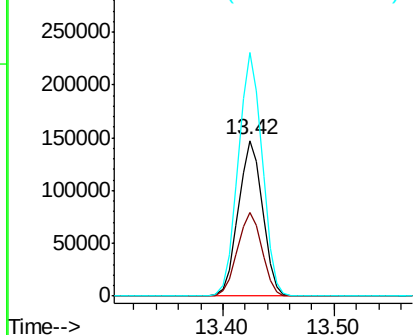


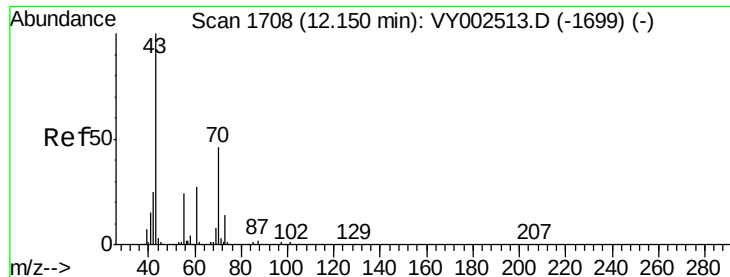
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Tgt Ion:152 Resp: 221466
Ion Ratio Lower Upper
152 100
115 54.6 27.5 82.4
150 155.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

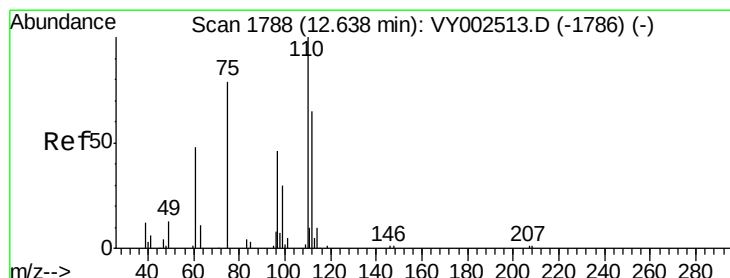
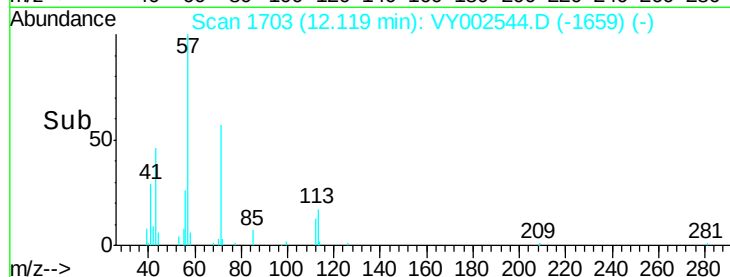
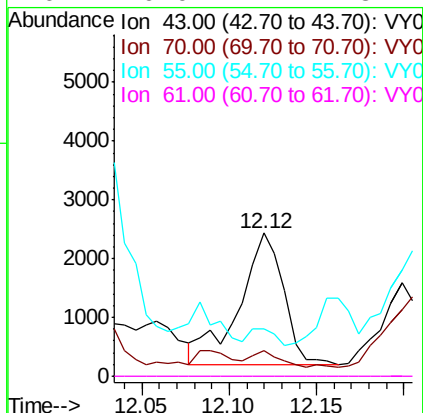
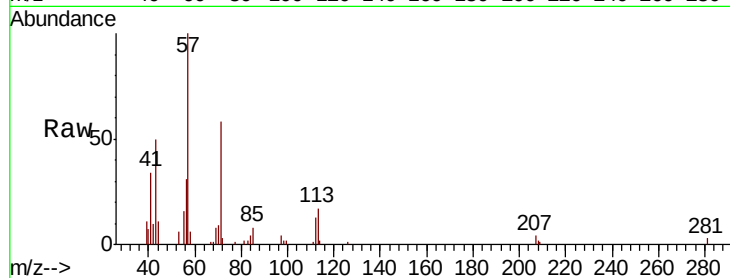




#74
N-amvl acetate
Concen: 1.146 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.03 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

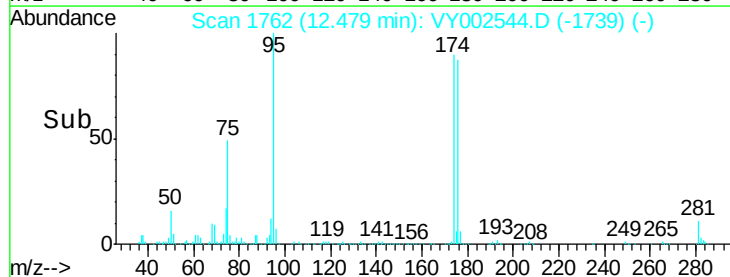
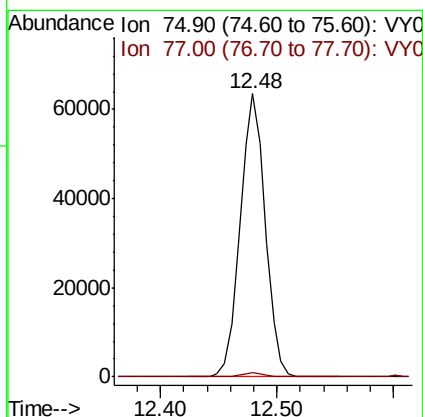
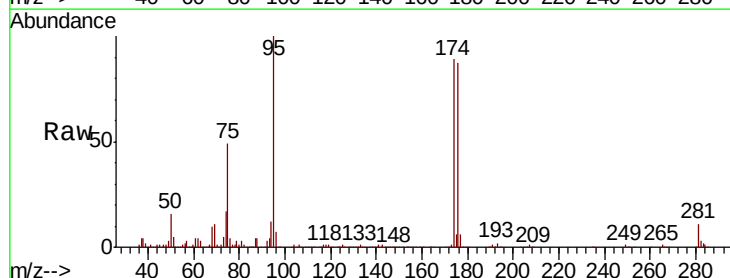
Instrument :
MSVOA_Y
ClientSampleId :

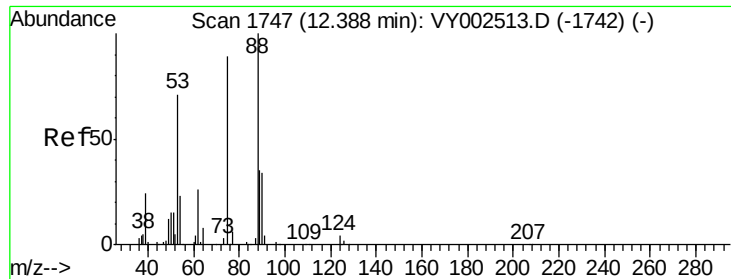
Tot Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
70 7.5 36.7 55.1#
55 0.0 19.2 28.8#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 48.429 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002544.D
Acq: 04 May 2020 16:25

Tgt Ion: 75 Resp: 95312
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 97.109 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002544.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_Y

ClientSampleId :

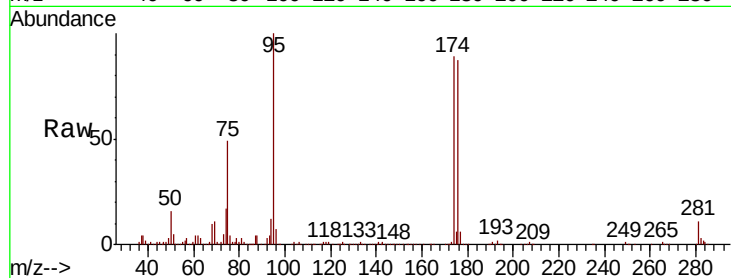
Tot Ion: 75 Resp: 95312

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.0#

89 0.2 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

